



International Standard

ISO 20712-3

Water safety signs and beach safety flags —

Part 3:
Guidance for use

AMENDMENT 1: UV index-based
warning and information system

**Fourth edition
2024-05**

**AMENDMENT 1
2026-09**

Sample Document

get full document from standards.iteh.ai



COPYRIGHT PROTECTED DOCUMENT

© ISO 2026

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 145, *Graphical symbols*, Subcommittee SC 2, *Safety identification, signs, shapes, symbols and colours*.

A list of all parts in the ISO 20712 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Sample Document

get full document from standards.iteh.ai

Water safety signs and beach safety flags —

Part 3: Guidance for use

AMENDMENT 1: UV index-based warning and information system

7.3.5

Add the following new subclause after 7.3.4, before Annex A.

7.3.5 Signs for warning of UV risk and recommended protective measures

Signs for warning of risk from ultraviolet (UV) radiation and recommended protective measures should be placed at every main entrance to an aquatic environment and should be used at pedestrian entrances. They can be part of the access signage described in 7.3.2 and 7.3.3. Their exact position depends on the type of environment.

The following information is recommended for warning of UV risk and recommended protective measures:

- warning sign for optical radiation (ISO 7010-W027) with supplementary text for UV radiation;
- indication of the daily UV risk, for example using a digital display, changeable physical sign, or reference to an internet source via QR code;
- three-part colour-coded scale for recommending protective measures based on the daily UV risk, with additional assignment of Roman numerals I to III:
 - Level I: green, contrast colour white, note “No protection required”;
 - Level II: yellow, contrast colour black, note “Protection required”, graphical symbols: umbrella, hat, sunglasses, outerwear, sunscreen;
 - Level III: red, contrast colour white, note “Stay indoors”, graphical symbol: building.

NOTE For simplification, this document uses the UV risk levels I, II and III. Annex E shows the equivalent UV index values.

The colours green, yellow, red, white and black should conform to the colorimetric and photometric requirements given in ISO 3864-4. Examples of colour references are given in ISO 3864-4:2011, Table E.1.

Figure 5 shows an example of a standalone sign for warning of UV risks and the recommended protective measures.